

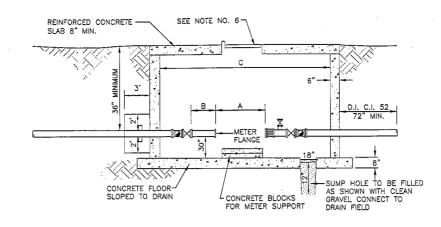
GENERAL RULES:

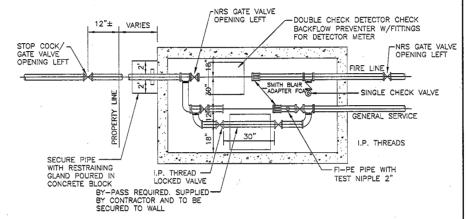
- 1. METER VAULT WALLS TO BE POURED CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE.
- 2. METER VAULT ROOF TO BE REINFORCED CONCRETE.
- METER VAULT TO BE LOCATED, WHEN POSSIBLE, OUTSIDE TRAFFIC AREA AND WHERE SURFACE WATER WILL NOT DRAIN INTO IT. VAULT MUST BE KEPT FREE OF WATER.
- 4. DUCTILE IRON CLASS 52 OR C900 THROUGH VAULT.
- 5. FLANGED VALVES ON EACH SIDE OF METER MUST BE ADEQUATELY SECURED TO WITHSTAND WATER THRUST WITH METER REMOVED.
- NON-TRAFFIC: BILCO "K-!" SINGLE LEAF ALUMINUM OR APPROVED EQUAL. IN TRAFFIC: EJIW 1040 TYPE F OR APPROVED EQUAL APPROVED BY THE CITY ENGINEER.
- 7. CONCRETE FLOOR REQUIRED. SLOPE TO DRAIN.
- 8. ALL FITTINGS ARE TO BE FLANGED (TEES, BENDS, ETC.) BEYOND VALVES.

METER SIZE	А	В	С	Đ.	BY-PASS (*)	
3"	18-3/4"	24"	140"	48"	1-1/2"	
4"	22-1/4"	33"	157"	72"	2"	
6"	27-3/4"	41"	191"	72"	3"	

(*) IF HIGH CONTINUOUS RATE OF FLOW IS REQUIRED, A LARGER BY-PASS MAY BE PERMITTED, BUT NOT LONGER THAN PRIMARY DOMESTIC SERVICE

METER VAULT FOR 3", 4" AND 6" SERVICE LINES





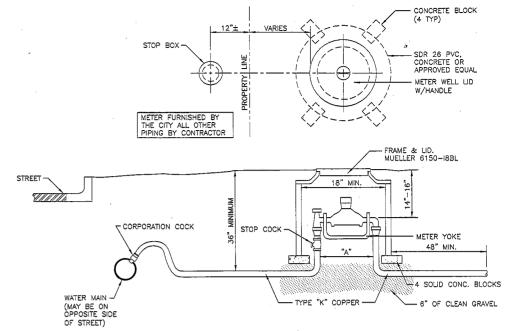
GENERAL_RULES:

- 1. METER VAULT WALLS TO BE POURED CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE.
- METER VAULT ROOF TO BE REINFORCED CONCRETE WITH OPENING CENTERED OVER GENERAL SERVICE METER ON FIRE LINE DETECTOR CHECK VALVE.
- METER VAULT TO BE LOCATED, WHEN POSSIBLE, OUTSIDE TRAFFIC AREA AND WHERE SURFACE WATER WILL NOT DRAIN INTO IT. VAULT MUST BE KEPT FREE OF WATER.
- 4. DUCTILE IRON CLASS 52 OR TYPE "K" COPPER THROUGH VAULT.
- 5. VALVES ON EACH SIDE OF GENERAL SERVICE METER FOR 1-1/2" OR 2" SERVICE TO HAVE SCREW ENDS, I.P. THREADS: FOR 3" AND ABOVE VALVES MUST HAVE FLANGED ENDS, BE IN ALIGNMENT AND BE ADEQUATELY SECURED TO WITHSTAND WATER THRUST WITH METER PEMOYED.
- NON-TRAFFIC: BILCO "K-I" SINGLE LEAF ALUMINUM OR APPROVED EQUAL.
 IN TRAFFIC: BJW 1040 TYPE F OR APPROVED EQUAL APPROVED BY THE CITY ENGINEER.
 NON-TRAFFIC METERS ARE PREFERRED.
- 7. ALL FITTINGS ARE TO BE FLANGED (TEES, BENDS, ETC.) BEYOND VALVES.

	GENERAL SERVICE				FIRELINE			
	SIZE	BY-PASS			10"	8"	6" [,]	4"
	(***)	SIZE (*)	Α	В	С	c	С	С
(**)	1-1/2"	NA	13"	12"	140"	130"	130"	130"
(**)	2"	NA	17"	16"	140"	130"	130"	130"
	3"	1-1/2"	18-3/4"	24"	159"	157"	156"	155"
	4"	2"	22-1/4"	32"	174"	172"	171"	170"
	6"	3"	27-3/4"	48"	206"	204"	203"	202"

- (*) IF HIGH CONTINUOUS RATE OF FLOW IS REQUIRED, A LARGER BY-PASS MAY BE PERMITTED, BUT NOT LONGER THAN PRIMARY DOMESTIC SERVICE
- (**) FORD METER SETTER WB66 OR WB77 WITHOUT BY-PASS OR APPROVED EQUAL
- (***) FOR 5/8", 3/4" AND 1" METERS USE FORD YOKE #501, 502 OR 503 OR APPROVED EQUAL. NO BY-PASS REQUIRED.

METER VAULT FOR SPLIT SERVICE LINES N.T.S.



GENERAL RULES:

- METER PIT TO BE LOCATED OUTSIDE TRAFFIC AREA WHERE SURFACE WATER WILL NOT DRAIN INTO IT.
- 2. ALL FITTINGS TO BE BRASS OR COPPER.
- 3. METER WELL TO BE SET ON 6" GRAVEL

METER SIZE DIMENSION "A" MUELLER
5/8" 18" B-2410
3/4" 21" B-2423
1" 21" B-2423

METER BOX FOR 3/4", 1", AND 1-1/2" SERVICE LINES N.T.S.



CITY OF JUNCTION CITY, KANSAS WATER MAIN INSTALLATION DETAILS

MUNICIPAL SERVICES DIRECTOR
GREGORY S. McCAFFERY, P.E. 10/08/2013

ENGINEERING DEPARTMENT
700 N JEFFERSON
JUNCTION CITY, KS 66441
(785) 238-3103

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